

Decision Document

**Solid Waste Management Unit H04
Navyside Landfill**



November 2001

TETRA TECH
180 Howard Street, Suite 250
San Francisco, CA 94105



RECEIVED

DEC 21 2001

ENVIRONMENTAL PROTECTION

Decision Document SWMU H04
November 2001

The selected remedy is protective of human health and the environment. It has been shown that a complete pathway to human health and the environment does not exist, and there is no potential for an exposure pathway to be completed in the future.

US Army

17 DEC 2001

Anne L. Davis
Anne L. Davis
Lieutenant Colonel, US Army
Commanding

State of Nevada

15 FEB. 2002

Paul Liebendorfer
Paul Liebendorfer
Chief, Bureau of Federal Facilities

**Decision Document for Closure of
Solid Waste Management Unit H04
Hawthorne Army Depot
Hawthorne, Nevada**

1.0 INTRODUCTION

This decision document describes the rationale for the proposed closure of solid waste management units (SWMU) H04, an abandoned landfill south of the north magazine area at the Hawthorne Army Depot (HWAD). Tetra Tech, Inc. (Tt) prepared this document with the help of the US Army Corps of Engineers, Sacramento District (USACE) and HWAD for the Nevada Division of Environmental Protection (NDEP), the lead regulatory agency for environmental issues at HWAD.

Tt and Ecology and Environment (E&E) performed remedial investigations and groundwater monitoring at the HWAD from 1993 through 1997, primarily at SWMUs designated by the Army and the NDEP. The purpose of the sampling was to determine the extent and degree of environmental impacts, if any, associated with activities performed at each SWMU. The primary goal of the investigations was to assess the environmental impacts and to report the findings, to present conclusions, and to recommend remediation, if necessary.

With guidance from the NDEP, Tt established basewide proposed closure goals (PCGs) for soil as acceptable levels so that SWMU closure could be recommended and to direct the investigative efforts toward those SWMUs where the target analytes were of greatest concern. Also, we established HWAD-specific groundwater action levels as acceptable concentrations to determine if further action would be required for analytes of concern in the groundwater. These PCGs and action levels were used to guide the investigations and are used for comparison with the detected analytes in this report (Appendix A).

2.0 SITE HISTORY

SWMU H04, the Navy Side Landfill, is south of the HWAD's north magazine area, approximately 400 feet north of the intersection of US Highway 95 and Thorne Road (Figure 1-1). This SWMU is an abandoned landfill, approximately 400 feet wide by 1,400 feet long, adjacent to former Navy barracks, a former movie theater, and a former laundry (Figure 1-2). No records were found that document the types of debris disposed of in this landfill, and no period of operation was documented; however, it is likely that this landfill received domestic refuse from the adjacent facilities and from other sources at HWAD.

The USACE, HWAD, and the NDEP agreed to define the boundaries of each SWMU using annotated monuments and survey pins. As part of our 1997 field investigations (Tt 1998), we surveyed SWMU H04 and constructed two survey monuments. A brass survey pin on each monument designates them as HWAAP-108-1996 and HWAAP-109-1996 and the SWMU number H04. We set and surveyed two corner pins to define the SWMU boundary, with one

monument at the northwest corner and the other monument at the southeast corner. The location of these corner markers and the SWMU boundary are shown on Figure 1-2. Survey data are presented in Appendix B.

During Tt's 2000 annual groundwater monitoring (Tt 2001), we measured the depth to groundwater at approximately 110 feet below ground surface (bgs) in monitoring wells IRPMW45 through IRPMW48. These wells are around the perimeter of SWMU H04; therefore, the groundwater beneath this SWMU is at a depth of approximately 110 feet bgs.

3.0 SITE CONDITIONS

SWMU H04 is a landfill area that was likely in operation when the nearby Navy barracks were occupied, from the 1940s to through the 1950s. Based on the surface debris and on the lack of vegetation and apparently disturbed ground, the landfill appears to have been the usual trench-fill method of disposal, covered with native soil.

SWMU H04 is a flat sparsely vegetated area, indicating that the ground had been disturbed and regraded. During our site inspection, we observed scattered surface debris of mostly small metal scraps, nails, and pieces of pipe. The HWAD environmental personnel reported that UXO and UXO-related objects had been found at SWMU H04. HWAD UXO-trained personnel swept the area for UXO prior to Tt's remedial investigations.

4.0 INVESTIGATIONS

During Tt's 1997 remedial investigation of SWMU H04, Norcal Geophysical Consultants, Inc., of Petaluma, California, performed surface geophysical surveys. Geophysical surveys commonly are conducted during remedial investigations of landfill sites to locate subsurface anomalies. These anomalies are likely buried debris from the disposal activities and may be areas where the target analytes were released. For this investigation, the geophysical surveys included a vertical magnetic gradient survey, an electromagnetic terrain conductivity survey, and a surface ground penetrating radar survey. The magnetic gradient and electromagnetic terrain conductivity surveys were conducted simultaneously over the 12-acre SWMU on a 20-foot by 20-foot grid. The surface ground penetrating radar survey was conducted at selected areas where the magnetic gradient and electromagnetic terrain conductivity survey anomalies were found. These surveys found numerous anomalies and were used to direct the subsurface soil sampling.

Tt excavated four test pits, TP01 through TP04, to identify and characterize the anomalies detected during the geophysical surveys. Each test pit was excavated to a depth of five feet bgs, and two subsurface soil samples were collected at depths of three and five feet bgs from each pit, along with one duplicate soil sample (Table 3-1 in Appendix C). No buried debris was found in test pits TP01, TP02, or TP03; however, test pit TP04 contained metal debris, such as a rusted pipe, rusted metal twined and electrical wrapped cables, and a concrete block. This debris was found in the east side of the pit, from the surface to a depth of five feet bgs and appeared to be associated with one of the geophysical anomalies. The subsurface soil samples were screened in the field for explosives and TPH and were analyzed at the off-site contract laboratory for metals,

explosives, VOCs, OC pesticides, PCBs, and herbicides. All of the analytical results for these soil samples are included in Appendix C.

In addition to the 1996 soil sampling, we installed four groundwater monitoring wells, IRPMW45, IRPMW46, IRPMW47, and IRPMW48, to assess potential impacts to the groundwater from the disposal activities. Appendix C includes tables by analytical method of the groundwater samples collected from these four wells during the most recent four groundwater sampling events in 2000 (Tt 2001).

5.0 INVESTIGATION RESULTS

Numerous small geophysical anomalies were found trending northeast-southwest through the center of SWMU H04. This trend appeared to represent buried metallic debris locations. Test pits TP01, TP02, and TP03 were excavated at three of these anomalies, and only native soil was found, with no buried debris. It noted several metallic items on the surface that may have caused these geophysical anomalies. Near the center of the SWMU, a north-south and northwest-southeast linear anomalies were found that appeared to be underground utilities. Test pit TP04 was excavated at one of the anomalies, and several buried metal objects were found.

The nine subsurface soil samples that we collected from the test pits in 1997 at SWMU H04 contained aluminum (5,330 mg/kg to 10,500 mg/kg), arsenic (1.1 mg/kg to 2.9 mg/kg), barium (50.2 mg/kg to 80.8 mg/kg), total chromium (2.6 mg/kg to 4.5 mg/kg), lead (3.5 mg/kg to 6.5 mg/kg), and mercury (<0.069 mg/kg to 0.3 mg/kg). Aluminum, arsenic, barium, total chromium, and lead were found in all nine samples, and mercury was found in two of these samples. No other metals were found in these samples.

Although the field screening results reported RDX concentrations up to 11.24 mg/kg in seven of the nine subsurface soil samples, no TNT concentrations were detected in these samples. Also, the off-site contract laboratory showed that none of these samples contained explosives, including RDX. Therefore, it appears that the field screening results for RDX were high biased, and none of the soils have been affected by explosives.

Although the field screening results found TPH from 100 mg/kg to 500 mg/kg in the one subsurface soil sample, the rerun of this sample reported TPH from 0.2 mg/kg to 20 mg/kg, and the two collocated confirmation samples analyzed by the off-site contract laboratory reported no TPH concentrations. Therefore, it appears that the field screening results for one of the samples reported a high bias for TPH, and none of the soils at H04 appeared to be affected by TPH.

One of the nine subsurface soil samples contained the pesticides 4,4-DDE at 0.002 mg/kg and 4,4-DDT at 0.0005 mg/kg. No other pesticides, herbicides, or PCBs were found in these nine samples; therefore, the soils do not appear to be affected with pesticides or PCBs to the extent that would require remediation. All of these analytical results are included in Appendix C.

During Tt's 2000 quarterly groundwater monitoring (Tt 2001), we sampled all four wells for nitrogen compounds only during the second, third, and fourth quarters. These 12 groundwater samples and one duplicate sample contained nitrate + nitrite at concentrations from 0.72 µg/l to 2.35 µg/l, with 12 of these 13 concentrations greater than the HWAD groundwater action level of 1.0 µg/l. Although these nitrate and nitrite concentrations exceed the action level, the upgradient well at SWMU H04 contained elevated concentrations of nitrate + nitrite, indicating that the disposal activities were not likely the source of the nitrogen compounds. Also, there are no downgradient receptors, such as producing wells, that would pose an exposure risk from these nitrogen compounds in the groundwater; therefore, these compounds in the groundwater do not appear to be an environmental issue.

We sampled all four wells at SWMU H04 for metals only during the first quarter of 2000 (Tt 2001). All of the metals concentrations in these groundwater samples were less than their respective action level, except for arsenic. All four arsenic concentrations (53.5 µg/l to 136 µg/l) were greater than the arsenic groundwater action level of 1.0 µg/l. Arsenic is a soluble metal that occurs naturally in the Walker Valley soils and is found ubiquitously at elevated concentrations in most groundwater wells at HWAD. Similar to the nitrogen compounds, the groundwater from the upgradient well at SWMU H04 contained elevated concentrations of arsenic, indicating that the presence of this metal in the groundwater is not likely related to disposal activities; therefore, arsenic concentrations in the groundwater do not appear to be an environmental issue.

Five VOCs and one SVOC were found in the groundwater samples collected from the wells during the 2000 quarterly groundwater monitoring (Tt 2001). These compounds were benzene (0.4 µg/l), bromodichloromethane (0.4 µg/l to 1.0 µg/l), butyl benzyl phthalate (2.0 µg/l to 9.0 µg/l), carbon tetrachloride (0.4 µg/l to 2.0 µg/l), chloroform (2.0 µg/l to 8.2 µg/l), and methylene chloride (0.4 µg/l to 1.0 µg/l). None of these concentrations were greater than their respective action levels; therefore, VOCs and SVOCs in the groundwater are not an environmental issue.

No explosives compounds were found in any of the groundwater samples collected from the wells at SWMU H04 during the 2000 quarterly groundwater monitoring (Tt 2001). Therefore, explosives compounds in the groundwater are not an environmental issue.

6.0 REMEDIATION

The buried debris and the associated soils and groundwater at SWMU H04 do not appear to contain any of the target analytes at concentrations that would require remedial action; therefore, no remediation was recommended for the closure of this SWMU.

7.0 REMEDIATION RESULTS

Because we recommended no remediation and no remediation was conducted at SWMU H04, there are no remediation results.

8.0 PUBLIC INVOLVEMENT

It is US Department of Defense and Army policy to involve the local community throughout the investigation process at an installation. To initiate this involvement, HWAD has established and maintains a repository at the local public library, which includes final copies of all past studies and other documents regarding environmental issues at HWAD. As future environmental documents are made available to HWAD, the repository will be updated.

HWAD has solicited community participation to establish a restoration advisory board (RAB). To date there has been insufficient response, and HWAD has not formed a RAB. HWAD has held open houses to inform the public of on going environmental issues and will continue to solicit community involvement and will establish a RAB should there be sufficient community interest.

9.0 CONCLUSIONS

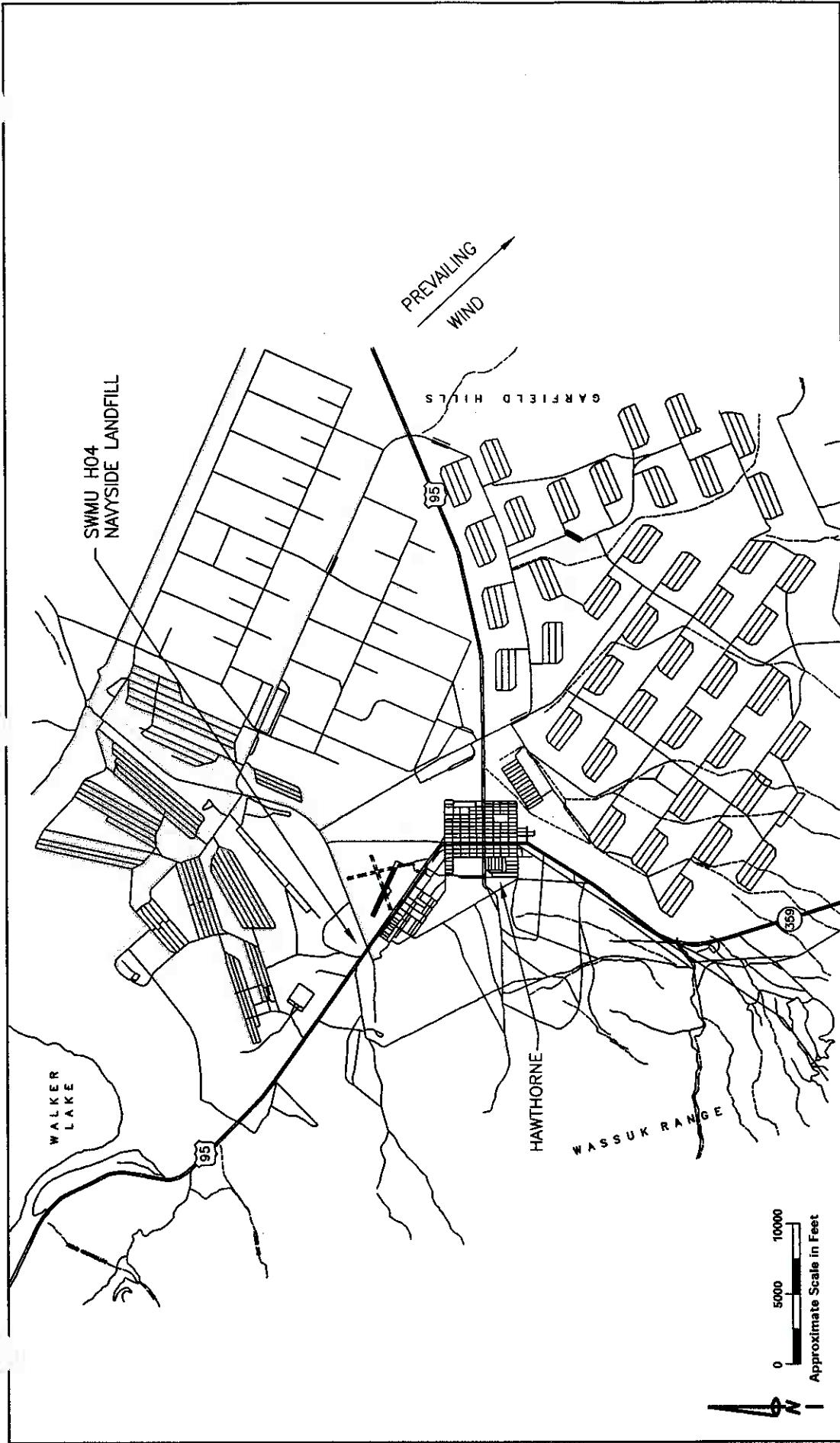
The buried debris and associated soils at SWMU H04 do not appear to contain any of the target analytes at concentrations that would require remediation, and the sample data from the perimeter monitoring wells do not indicate that the disposal activities at this SWMU have affected the groundwater. Investigation activities at this SWMU have adequately characterized and delineated the landfill, and Tt recommends no further investigation or remediation for this SWMU; therefore, we recommend that SWMU H04 be closed without restrictions.

10.0 REFERENCES

- Tetra Tech, Inc. (Tt). 1998. Final Remedial Investigation Report, Solid Waste Management Unit H04, Navy Side Landfill, Hawthorne Army Depot, Hawthorne, Nevada. December 1998.
- _____. 2001. 2000 Annual Groundwater Monitoring Report, Hawthorne Army Depot, Hawthorne, Nevada. May 2001.

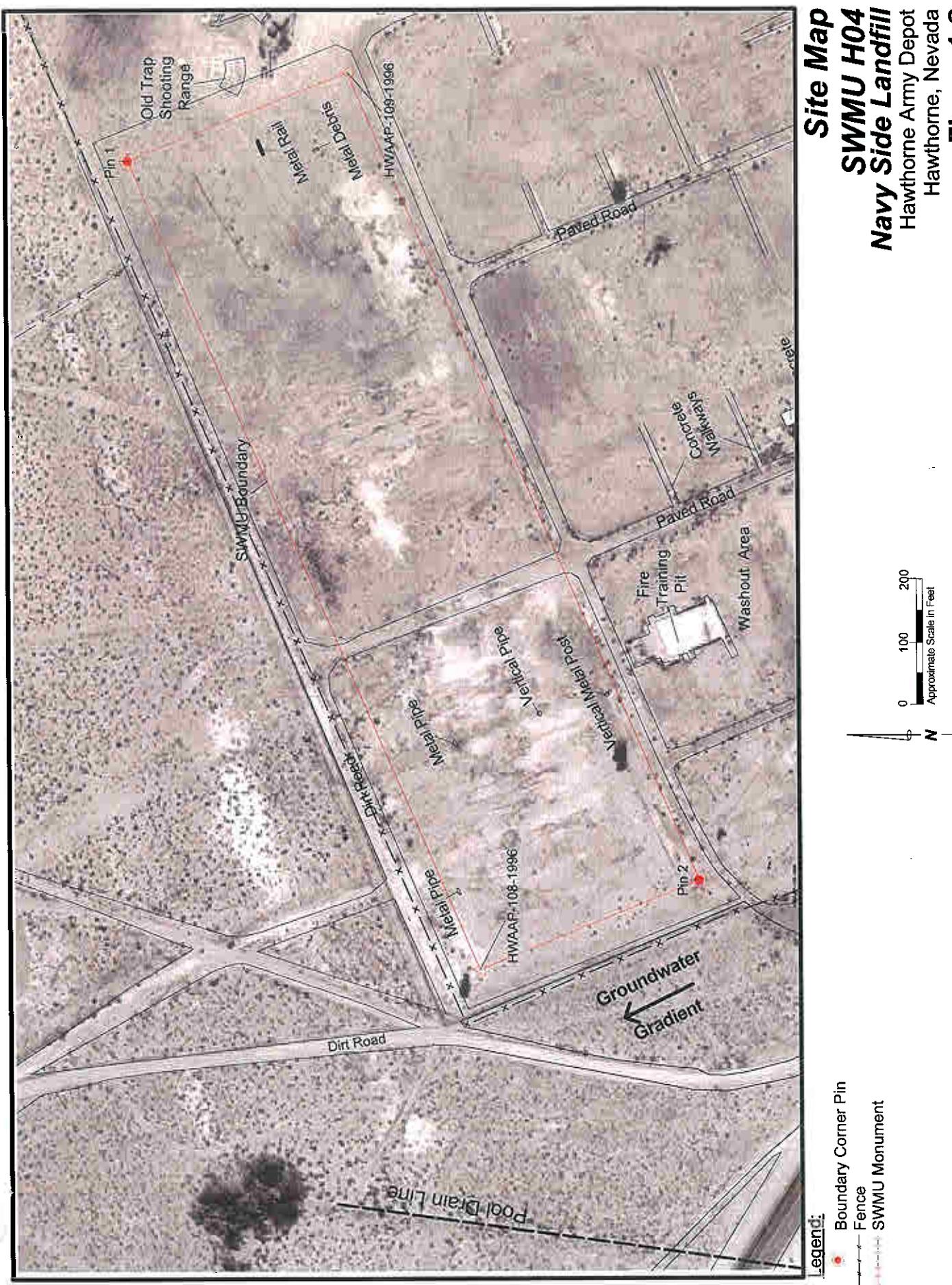
FIGURES

**Site Location Map
SWMU H04
Navyside Landfill**
Hawthorne Army Depot
Hawthorne, Nevada



Site Map
SWMU H04
Navy Side Landfill
Hawthorne Army Depot
Hawthorne, Nevada

Figure 1-2



APPENDIX A

PROPOSED CLOSURE GOALS

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Nitrate	Anion	NC	128,000	Calculated Subpart S ^a
2-Amino-dinitrotoluene	Explosive	NC	-	NA ^b
4-Amino-dinitrotoluene	Explosive	NC	-	NA
1,3-Dinitrobenzene	Explosive	NC	8	Calculated Subpart S
2,4-Dinitrotoluene	Explosive	NC	160	Calculated Subpart S
2,6-Dinitrotoluene	Explosive	NC	80	Calculated Subpart S
HMX	Explosive	NC	4,000	Calculated Subpart S
Nitrobenzene	Explosive	NC	40	Calculated Subpart S
Nitrotoluene (2-, 3-, 4-)	Explosive	NC	800	Calculated Subpart S
RDX	Explosive	NC	64	Calculated Subpart S
Tetryl	Explosive	NC	800	Calculated Subpart S
1,3,5-Trinitrobenzene	Explosive	NC	4	Calculated Subpart S
2,4,6-Trinitrotoluene	Explosive	C	233	Calculated Subpart S
Aluminum	Metal	NC	80,000	Calculated Subpart S
Arsenic (cancer endpoint)	Metal	C & NC	30	Background ^c
Barium and compounds	Metal	NC	5,600	Calculated Subpart S
Beryllium and compounds	Metal	C	1	Background
Cadmium and compounds	Metal	NC	40	Calculated Subpart S
Chromium III and compounds	Metal	NC	80,000	Calculated Subpart S
Lead	Metal	NC	1000	PRG ^d
Mercury and compounds (inorganic)	Metal	NC	24	Calculated Subpart S
Selenium	Metal	NC	400	Calculated Subpart S
Silver and compounds	Metal	NC	400	Calculated Subpart S
Acenaphthene	PAH	NC	4,800	Calculated Subpart S
Benzo[a]anthracene	PAH	C	0.96	Calculated Subpart S
Benzo[a]pyrene	PAH	C	0.10	Detection Limit ^e
Benzo[b]fluoranthene	PAH	C	0.96	Calculated Subpart S
Benzo[k]fluoranthene	PAH	C	10	Calculated Subpart S
Chrysene	PAH	C	96	Calculated Subpart S
Dibenz[ah]anthracene	PAH	C	0.96	Calculated Subpart S
Fluoranthene	PAH	NC	3,200	Calculated Subpart S
Fluorene	PAH	NC	3,200	Calculated Subpart S
Indeno[1,2,3-cd]pyrene	PAH	C	-	NA
Naphthalene	PAH	NC	3,200	Calculated Subpart S
Pyrene	PAH	NC	2,400	Calculated Subpart S
Total Petroleum Hydrocarbons as Diesel (TPH-d)	PAH	C	100	NDEP Level Clean-up ^f
Polychlorinated biphenyls (PCBs)	PCBs	C	25	TSCA ^g
Bis(2-ethylhexyl)phthalate (DEHP)	SVOC	C	1,600	Calculated Subpart S
Bromoform (tribromomethane)	SVOC	C	89	Calculated Subpart S
Butyl benzyl phthalate	SVOC	NC	16,000	Calculated Subpart S
Dibromochloromethane	SVOC	C	83	Calculated Subpart S
Dibutyl-phthalate	SVOC	NC	8,000	Calculated Subpart S
Diethyl phthalate	SVOC	NC	64,000	Calculated Subpart S
Phenanthrene	SVOC	-	-	NA
Phenol	SVOC	NC	48,000	Calculated Subpart S

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Acetone	VOC	NC	800	Calculated Subpart S
Anthracene	VOC	NC	24,000	Calculated Subpart S
Benzene	VOC	C	24	Calculated Subpart S
Bis(2-chloroisopropyl)ether	VOC	C	3,200	Calculated Subpart S
Bromomethane	VOC	NC	112	Calculated Subpart S
Carbon tetrachloride	VOC	C	5	Calculated Subpart S
Chlorobenzene	VOC	NC	1,600	Calculated Subpart S
Chloroform	VOC	C	115	Calculated Subpart S
Chloromethane	VOC	C	538	Calculated Subpart S
Dibromomethane	VOC	C	0.008	Calculated Subpart S
1,2-Dichlorobenzene	VOC	NC	7,200	Calculated Subpart S
1,4-Dichlorobenzene	VOC	C	18,300	Calculated Subpart S
Dichlorodifluoromethane	VOC	C	16,000	Calculated Subpart S
Ethylbenzene	VOC	NC	8,000	Calculated Subpart S
Methylene bromide	VOC	NC	800	Calculated Subpart S
Methylene chloride	VOC	C	4,800	Calculated Subpart S
2-Methylnaphthalene	VOC	-	-	NA
1,1,2,2-Tetrachloroethane	VOC	C	35	Calculated Subpart S
Tetrachloroethylene (PCE)	VOC	C & NC	800	Calculated Subpart S
Toluene	VOC	NC	16,000	Calculated Subpart S
1,1,1-Trichloroethane	VOC	NC	7,200	Calculated Subpart S
Trichloroethylene (TCE)	VOC	C & NC	480	Calculated Subpart S
Trichlorofluoromethane	VOC	NC	24,000	Calculated Subpart S
1,2,3-Trichloropropane	VOC	C	480	Calculated Subpart S
Vinyl chloride	VOC	C	0.37	Calculated Subpart S
Xylene Total (m-, o-, p-)	VOC	NC	160,000	Calculated Subpart S
2,3,7,8-TCDD	Dioxin	C	0.000005	Calculated Subpart S

^a RCRA 55 FR 30870

^b Not available

^c Highest background concentration detected in 50 background soil samples

^d Smucker, Stanford J. USEPA Rgion IX, Preliminary Remedial Goals, Second Half, Sep. 1995

^e Method detection limit for Volatile Organic Compounds by EPA Method 8260 or

Semi-Volatile Organic Compounds analyzed by EPA Method 8270

^f Nevada Division of Environmental Protection

^g Cleanup level for PCB spills in accordance with Toxic Substance and Control Act Spill Policy Guidelines 40 CFR 761

APPENDIX B

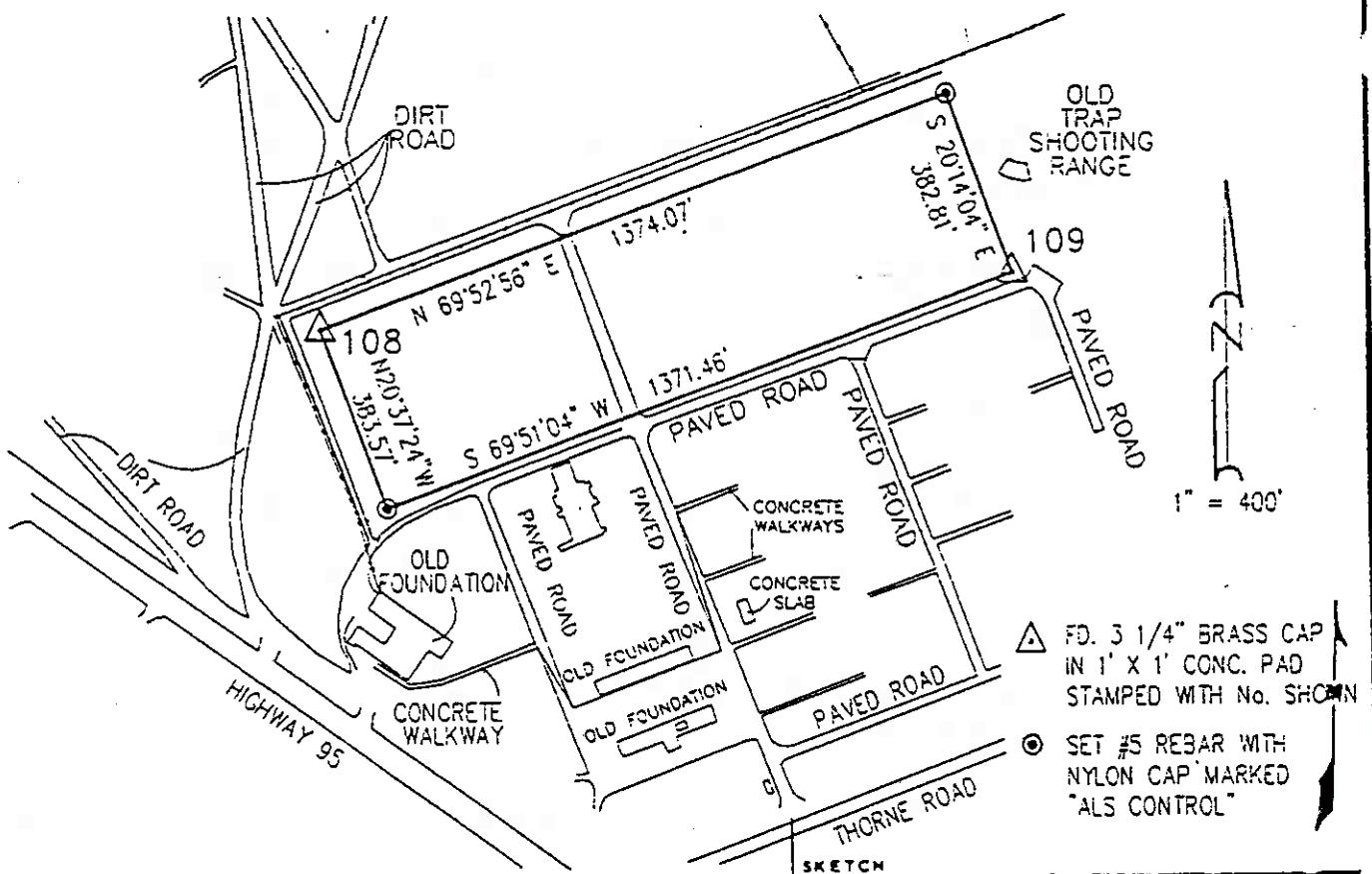
SURVEY DATA

SWMU H04 Survey Data
Hawthorne Army Depot
Hawthorne, Nevada

SWMU	Point ID	Northing (Feet)	Easting (Feet)	Elevation
H04	HWAAP-108-1996	13833626.86	480404.14	4137.11
H04	HWAAP-109-1996	1383740.28	481826.78	4144.21
H04	Pin 1	1389251.86	488334.37	NE
H04	Pin 2	1388113.35	487705.95	NE
H04	TP01	1383588.49	480654.11	NE
H04	TP02	1383623.96	480747.70	NE
H04	TP03	1383759.66	481305.56	NE
H04	TP04	1383788.00	481508.60	NE

COUNTRY USA	TYPE OF MARK BRASS CAP	STATION 108		
LOCALITY HAWTHORNE NEV	STAMPING ON MARK 108 H-4	AGENCY (CAST IN MARKS) COE HWAAP	ELEVATION 4137.11 (FT) (M)	
LATITUDE 38°33'02.91238" N	LONGITUDE 118°39'06.68389" W	DATUM NAD '27	DATUM NVD '29	
(NORTHING)(EASTING) 1383626.86 (FT) (M)	(EASTING)(NORTHING) 480404.14 (FT) (M)	GRID AND ZONE NEVADA SP WEST	ESTABLISHED BY (AGENCY) A.L.S.	
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1997	ORDER 2ND
TO OBTAIN GRID AZIMUTH, ADD TO OBTAIN GRID AZ. (ADD)(SUB.)		TO THE GEOGRAPHIC AZIMUTH TO THE GEOGRAPHIC AZIMUTH		
OBJECT	AZIMUTH OR DIRECTION (GEOGRAPHIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOC DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
*	*	*	*	*

MONUMENTS 108 AND 109 - SWMU H-4
FROM THIRTEEN ROAD, TAKE HIGHWAY 95 NORTHWEST 800 FEET TO A DIRT
ROAD, THEN NORTH 650 FEET TO THE NORTHWEST CORNER OF H-4 SITE.
SEE MAP BELOW. MONUMENTS ARE 3 1/4" BRASS CAPS SET IN 1' X 1'
CONCRETE PADS AND ARE MARKED WITH 4" X 4" X 6' WOOD POSTS,
PAINTED WHITE.



DA FORM 1 OCT 54 1959

REPLACES DA FORMS 1958
AND 1960, 1 FEB 37, WHICH
ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION
For use of this form, see TM 5-237; the proponent
agency is TRADOC.

NOTES ON COMPLETION OF FORM

1. GENERAL: This form may be used in the field or, as an office form to record and publish positions, descriptions, and related data.

2. FIELD USE OF FORM: The information required should be obtained and recorded *AT THE STATION SITE*. The field engineer should fill in only the information available and applicable to field use. In general, the geographic and grid positions, azimuths, distances, and elevations should not be filled in at field level except when the information is required for an immediate specific purpose.

a. ORIGINAL DESCRIPTION OF NEW STATION: The type of mark used for the station, reference marks, and azimuth marks, and a description of each must be given in the text of the description. If a disk is used, the identity of the agency whose name is cast in the disk and all of the letters and numbers stamped on the mark which identify the organization establishing or setting the mark should be given. In many areas the use of disks is not desirable because of their loss, due to vandalism or superstition. Less conspicuous marks should be used under these conditions. This requires exact statements of the character of the marks. Information for all marks as to the elevation above or below ground and approximate elevation above or below nearby prominent features is important. At least three measurements within .01 foot should be made from the station to any permanent marks, features, or structures that would permit relocating the spot where an instrument was centered.

Good judgment should be exercised as to how far these measurements should be made. It is recommended that they be made to items which are not in the immediate vicinity of the station. Angles should also be turned to these items, particularly where no azimuth mark or marks have been established.

b. VIEW: Provide information on height of tower or stand used in occupying or establishing the station and information on view from a normal tripod, i.e., a 50-foot tower was used at the station; view from a tripod height is clear to the south and east but is obstructed by rise in ground (by 50 foot trees) to the north and west.

c. PHOTOGRAPHIC IDENTIFICATION: Provide when possible, two measurements from the station to natural or cultural features which might be visible on aerial photography and a description of the terrain. If photographs are available identify the station thereon and note estimated accuracy of the identification.

d. NOTES ON RECOVERED STATIONS: A diligent search should be made for *ALL* previously established stations in the vicinity and no station should be reported as destroyed unless conclusive evidence of destruction is present. A statement of the diligence of the search and reason for the non-recovery of a previously established mark is required. If the spot where a station mark was located can be reproduced by measurement given in the description, the station is not destroyed. The reproduced spot should be tied in by azimuth and distance and the estimated accuracy of the reproduced location given. If a new mark is set in the exact location of a previously established but destroyed mark, the designation of the station should be identical with the original with only a new date added to its designation. If a new disk is set in the approximate location of the old station, the name should be preserved but the number "2" and a new date should be added.

(DESCRIBED) (RECOVERED) BY

PROJECT

DATE

FIELD BOOK

APPENDIX C

ANALYTICAL DATA FROM INVESTIGATION

TPH Test Kit
Method 4030 (Tt Field)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	TPH-d	TPH-d (Rerun)	TPH-d-Dup
					mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	Tt Field	0<X<20	NA	NA
H04-TP01-2-S	TP01	3/2/97	5	Tt Field	0<X<20	NA	NA
H04-TP01-3-S	TP01	3/2/97	5	Tt Field	0<X<20	NA	NA
H04-TP02-1-S	TP02	3/2/97	5	Tt Field	100<x<500	0<X<20	NA
H04-TP02-2-S	TP02	3/2/97	2	Tt Field	0<X<20	NA	NA
H04-TP03-1-S	TP03	3/2/97	5	Tt Field	0<X<20	NA	NA
H04-TP03-2-S	TP03	3/2/97	3	Tt Field	0<X<20	NA	NA
H04-TP04-1-S	TP04	3/2/97	5	Tt Field	0<X<20	NA	NA
H04-TP04-2-S	TP04	3/2/97	3	Tt Field	NA	NA	NA
<hr/>							
Analyses					8	1	0
Detections					0	0	0
Minimum Concentration					0	0	0
Maximum Concentration					0	0	0
<hr/>							
HWAD - PCG					NE	NE	NE
HWAD - PCG Hits					NE	NE	NE

Notes:

NA = Not analyzed.

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Metals
Method 6010A (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	Σ	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	8260	2.3	53	<0.016	<0.022	3.9	4.7	NA	<0.2	<0.075						
H04-TP01-2-S	TP01	3/2/97	5	APCL	7070	2.1	50.2	<0.018	<0.021	3.1	4	NA	<0.19	<0.073						
H04-TP01-3-S	TP01	3/2/97	5	APCL	5330	2.3	51	<0.017	<0.021	2.6	3.5	NA	<0.18	<0.071						
H04-TP02-1-S	TP02	3/2/97	5	APCL	7380	2.4	60.2	<0.017	<0.021	3.3	3.8	NA	<0.18	<0.071						
H04-TP02-1-S	TP02	3/2/97	2	APCL	6890	1.1	53.4	<0.017	<0.02	3.5	3.8	NA	<0.18	<0.071						
H04-TP02-2-S	TP03	3/2/97	5	APCL	8590	2.3	57.4	<0.017	<0.02	3.4	4	NA	<0.18	<0.07						
H04-TP03-1-S	TP03	3/2/97	3	APCL	10500	2.9	80.8	<0.018	<0.021	4.5	6.5	NA	<0.19	<0.073						
H04-TP03-2-S	TP04	3/2/97	5	APCL	6690	2.8	50.5	<0.017	<0.02	3.4	3.5	NA	<0.18	<0.07						
H04-TP04-1-S	TP04	3/2/97	3	APCL	7120	2.9	68.7	<0.018	<0.021	3.7	4.8	NA	<0.19	<0.071						
H04-TP04-2-S																				
Analyses					9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
Detections					9	9	9	0	0	9	9	0	0	0	0	0	0	0	0	
Minimum Concentration					5330	1.1	50.2	0	0	2.6	3.5	0	0	0	0	0	0	0	0	
Maximum Concentration					10500	2.9	80.8	0	0	4.5	6.5	0	0	0	0	0	0	0	0	
HWAD - PCG					80000	100	2000	1	20	20	100	NE	NE	20	100					
HWAD - PCG Hits					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Maximum Background Concentration					12365	18.1	447	0.58	1.08	13.76	16.7	0	0	0	0	0	0	0	0	
Background Hits					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes:

NA = Not analyzed.

NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

**Mercury
Method 7471A (APCL)**

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	Mercury, Total
					mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.074
H04-TP01-2-S	TP01	3/2/97	5	APCL	0.2
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.07
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.07
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.07
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.069
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.072
H04-TP04-1-S	TP04	3/2/97	5	APCL	0.3
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.07
<hr/>					
Analyses					9
Detections					2
Minimum Concentration					0.2
Maximum Concentration					0.3
<hr/>					
HWAD - PCG					24
HWAD - PCG Hits					0
<hr/>					
Maximum Background Concentration					0.108
Background Hits					2
<hr/>					

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

OC Pesticides and PCBs
Method 8081 (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	L _{ab}	4,4'-DDD	4,4'-DDDE	4,4'-DDT	Aldrin	alpha-BHC	AROCLOr-1016	AROCLOr-1221	AROCLOr-1232	AROCLOr-1242	AROCLOr-1248	AROCLOr-1254	AROCLOr-1260	
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.00008	<0.00015	<0.00014	<0.00004	<0.0029	<0.0037	<0.068	<0.008	<0.0062	<0.0043	<0.0076	<0.0074	
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.00007	<0.00015	<0.00014	<0.00004	<0.0029	<0.0036	<0.0067	<0.0078	<0.0066	<0.0042	<0.0041	<0.0072	<0.0072
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0035	<0.0085	<0.0076	<0.0058	<0.0041	<0.0041	<0.0072	<0.0072
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0035	<0.0064	<0.0076	<0.0058	<0.0041	<0.0041	<0.0072	<0.0072
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0035	<0.0064	<0.0076	<0.0058	<0.0041	<0.0041	<0.0072	<0.0072
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0036	<0.0066	<0.0078	<0.0056	<0.0042	<0.0042	<0.0074	<0.0074
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.00007	0.002 ^J	0.0005 ^J	<0.00014	<0.0013	<0.0035	<0.0064	<0.0075	<0.0058	<0.0041	<0.0041	<0.0071	<0.0071
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0035	<0.0065	<0.0077	<0.0059	<0.0041	<0.0041	<0.0072	<0.0072
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.00007	<0.00014	<0.00013	<0.00004	<0.0028	<0.0035	<0.0065	<0.0077	<0.0059	<0.0041	<0.0041	<0.0072	<0.0072
Analyses				9	9	9	9	9	9	9	9	9	9	9	9	9	
Detections				0	1	1	0	0	0	0	0	0	0	0	0	0	
Minimum Concentration				0	0.002	0.0005	0	0	0	0	0	0	0	0	0	0	
Maximum Concentration				0	0.002	0.0005	0	0	0	0	0	0	0	0	0	0	
HWAD - PCG Hits				NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
HWAD - PCG Hits				NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

OC Pesticides and PCBs
Method 8081 (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	L^a	mg/kg	beta-BHC	Chlordane	delta-BHC	Endosulfan I	Endosulfan II	$\text{Endosulfan sulfate}$	Endrin	Endrin aldehyde	Endrin ketone	$\text{gamma-BHC (Lindane)}$	Heptachlor
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.00009	<0.00011	<0.0004	<0.0004	<0.00026	<0.00008	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00011
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00011
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00024	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.00008	<0.00011	<0.0004	<0.0004	<0.00025	<0.00007	<0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00001
<hr/>																
Analyses				9	9	9	9	9	9	9	9	9	9	9	9	9
Detections				0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration				0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration				0	0	0	0	0	0	0	0	0	0	0	0	0
HWAD - PCG				NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HWAD - PCG Hits				NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

OC Pesticides and PCBs
Method 8081 (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	#	Hepatachlor epoxide mg/kg	Methoxychlor mg/kg	Toxaphene mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.00007	<0.00003	<0.016
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.00006	<0.00003	<0.016
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.00006	<0.00003	<0.015
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.00006	<0.00003	<0.015
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.00006	<0.00003	<0.015
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.00006	<0.00003	<0.015
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.00006	<0.00003	<0.016
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.00006	<0.00003	<0.015
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.00006	<0.00003	<0.016
Analyses				9	9	9	9
Detections				0	0	0	0
Minimum Concentration				0	0	0	0
Maximum Concentration				0	0	0	0
HWAD - PCG				NE	NE	NE	NE
HWAD - PCG Hts				NE	NE	NE	NE

Note:

NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Chlorinate Herbicides
Method 8150 (APCL)

Sample ID	Location ID	Sample Date (feet)	Depth (feet)	Lab	2,4,5-T						2,4,5-TP (Silvex)						2,4-DB						Dalmpon						Dicamba						
					Dinoseb	MCPP	MCPA	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.011	<0.16	<0.32	m	<0.0037	<0.0021	<0.0024	<0.0022	<0.011	<0.0022	<0.0026	<0.0022	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.01	<0.16	<0.31	m	<0.0036	<0.002	<0.0023	<0.0021	<0.01	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021		
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.01	<0.17	<0.3	m	<0.0035	<0.0019	<0.0023	<0.0021	<0.01	<0.0023	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021		
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.01	<0.17	<0.3	m	<0.0035	<0.0019	<0.0023	<0.0021	<0.01	<0.0035	<0.0019	<0.0019	<0.0019	<0.0019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.01	<0.17	<0.3	m	<0.0035	<0.0019	<0.0022	<0.0021	<0.01	<0.0035	<0.0019	<0.0019	<0.0019	<0.0019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.01	<0.17	<0.3	m	<0.0035	<0.0019	<0.0022	<0.0021	<0.01	<0.0035	<0.0019	<0.0019	<0.0019	<0.0019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.01	<0.18	<0.31	m	<0.0036	<0.002	<0.0023	<0.0021	<0.01	<0.0036	<0.002	<0.002	<0.002	<0.002	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.01	<0.17	<0.29	m	<0.0035	<0.0019	<0.0022	<0.0021	<0.01	<0.0035	<0.002	<0.002	<0.002	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.01	<0.18	<0.3	m	<0.0035	<0.0019	<0.0021	<0.0021	<0.01	<0.0035	<0.002	<0.002	<0.002	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	
Analyses					9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9				
Detections					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Minimum Concentration					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Maximum Concentration					NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE				
HWAD - PCG					NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE				
HWAD - PCG Hits																																			

Note:

NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

VOCs
Method 8260A (APCI-)

Sample ID	Location ID	Sample Date (feet)	Lab	mg/kg							
H04-TP01-1-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP01-2-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP01-3-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP02-1-S	TP02	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP02-2-S	TP02	3/2/97	2 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP03-1-S	TP03	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP03-2-S	TP03	3/2/97	3 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP04-1-S	TP04	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
H04-TP04-2-S	TP04	3/2/97	3 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0005
<hr/>											
1,1,1,2-Tetrachloroethane											
1,1,1-Trichloroethane											
1,1,2,2-Tetrachloroethane											
1,1-Dichloroethane											
1,1-Dichloroethylene											
1,1-Dichloropropane											
1,2,3-Trichlorobenzene											
1,2,4-Trichlorobenzene											
1,2,4-Dibromoethane (EDB)											

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Method 8260A (APCL)

Sample ID	Location ID	Sample Date (feet)	Lab	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Benzene
H04-TP01-1-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP012-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP01-3-S	TP01	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP02-1-S	TP02	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP02-2-S	TP02	3/2/97	2 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP03-1-S	TP03	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP03-2-S	TP03	3/2/97	3 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP04-1-S	TP04	3/2/97	5 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP04-2-S	TP04	3/2/97	3 APCL	<0.0001	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
Analyses				9	9	9	9	9	9	9
Detections				0	0	0	0	0	0	0
Minimum Concentration				0	0	0	0	0	0	0
Maximum Concentration				0	0	0	0	0	0	0
HWAD - PCG				7200	NE	NE	NE	150	NE	NE
HWAD - PCG Hits				0	NE	NE	NE	0	NE	10

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

VOCS
Method 8260A (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	mg/kg							
-104-TP01-1-S	TP01	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0008	<0.0002	<0.0001
-104-TP01-2-S	TP01	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP01-3-S	TP01	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP02-1-S	TP02	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP02-2-S	TP02	3/2/97	2	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP03-1-S	TP03	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP03-2-S	TP03	3/2/97	3	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP04-1-S	TP04	3/2/97	5	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
-104-TP04-2-S	TP04	3/2/97	3	APCL	<0.0001	<0.0005	<0.0002	<0.0003	<0.0001	<0.0002	<0.0002	<0.0001
<hr/>												
Bromobenzene												
Bromochloromethane												
Bromoform												
Bromochloromethane												
Bromobenzene												
Bromochloromethane												
Bromoform												
Bromochloromethane												
Carbon tetrachloride												
Chlorobenzene												
Chloroform												
Chloroethylene												
Chloromethane												
Chloroform												
cis-1,2-Dichloroethene												
cis-1,3-Dichloropropene												

Note:
NE = Not established.

Duplicate Samples:
-104-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Method 8260A (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	Detect	mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.0002	<0.001	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0008	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.0002	<0.001	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0007	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.0002	<0.0005	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0007	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.0002	<0.0005	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.0002	<0.0005	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.0002	<0.0009	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0007	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.0002	<0.0009	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0007	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.0002	<0.0009	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0006	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.0002	<0.0009	W	<0.0005	<0.0002	<0.0001	<0.0002	<0.0007	<0.0005	<0.0002	<0.0002	<0.0002	<0.0001	
Analyses					9	9	9	9	9	9	9	9	9	9	9	9	9	9
Detections					0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration					0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration					0	0	0	0	0	0	0	0	0	0	0	0	0	0
HWAD - PCG					83	NE	800	16000	8000	NE	NE	160000	4800	NE	NE	NE	NE	NE
HWAD - PCG Hits					0	NE	0	0	0	NE	NE	0	0	NE	NE	NE	NE	NE

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

VOCs
Method 8260A (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	VOCs					
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.0002	<0.0001	<0.0002	<0.0001	<0.0002	<0.0002
Naphthalene						9	9	9	9	9
o-Xylene						9	9	9	9	9
sec-Butylbenzene						0	0	0	0	0
tert-Butylbenzene						0	0	0	0	0
Tetrachloroethylene						0	0	0	0	0
Toluene						0	0	0	0	0
trans-1,2-Dichloroethylene						0	0	0	0	0
trans-1,3-Dichloropropene						0	0	0	0	0
Trichloroethylene						0	0	0	0	0
Vinyl Chloride						0	0	0	0	0

Note:
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Experiments
Method 8330 (APCL)

Sample ID	Location ID	Depth (feet)	Date	mg/kg	Tetryl									
					HMX	RDX	Nitrobenzene	4-Nitrotoluene	2-Nitrotoluene	2,4-Dinitrotoluene	2,6-Dinitrotoluene	1,3-Dinitrobenzene	2,4,6-Trinitrotoluene	2,4,6,8-Tetrinitrotoluene
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.066	<0.048	<0.045	<0.092	<0.066	<0.078	<0.062	<0.068	<0.047	<0.061
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.065	<0.058	<0.043	<0.047	<0.09	<0.065	<0.06	<0.067	<0.046	<0.059
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.063	<0.054	<0.042	<0.045	<0.087	<0.063	<0.074	<0.065	<0.044	<0.057
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.063	<0.054	<0.057	<0.042	<0.045	<0.087	<0.063	<0.059	<0.065	<0.058
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.062	<0.054	<0.042	<0.045	<0.087	<0.062	<0.074	<0.058	<0.064	<0.044
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.062	<0.056	<0.042	<0.045	<0.062	<0.074	<0.064	<0.058	<0.059	<0.057
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.064	<0.055	<0.043	<0.046	<0.089	<0.064	<0.076	<0.066	<0.045	<0.059
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.062	<0.056	<0.042	<0.046	<0.086	<0.062	<0.073	<0.058	<0.064	<0.044
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.063	<0.054	<0.042	<0.046	<0.088	<0.063	<0.074	<0.059	<0.065	<0.058
Analyses				9	9	9	9	9	9	9	9	9	9	0
Detections				0	0	0	0	0	0	0	0	0	0	
Minimum Concentration				0	0	0	0	0	0	0	0	0	0	
Maximum Concentration				0	0	0	0	0	0	0	0	0	0	
HWAD - PCG				4	8	233	2.6	80	800	4000	40	64	800	NE
HWAD - PCG Hits				0	0	0	0	0	0	0	0	0	NE	

Notes:

NA = Not analyzed.
NE = Not established.

Duplicate Samples:
H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

RDX Test Kit
Method 8510 (Tt Field)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	RDX	RDX-Dup	RDX (Rerun)
					mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	Tt Field	0.84	NA	NA
H04-TP01-2-S	TP01	3/2/97	5	Tt Field	0.98	NA	NA
H04-TP01-3-S	TP01	3/2/97	5	Tt Field	7.11	NA	NA
H04-TP02-1-S	TP02	3/2/97	5	Tt Field	1.16	NA	NA
H04-TP02-2-S	TP02	3/2/97	2	Tt Field	1.33	NA	NA
H04-TP03-1-S	TP03	3/2/97	5	Tt Field	<0.8	NA	NA
H04-TP03-2-S	TP03	3/2/97	3	Tt Field	11.24	NA	NA
H04-TP04-1-S	TP04	3/2/97	5	Tt Field	0.8	NA	NA
H04-TP04-2-S	TP04	3/2/97	3	Tt Field	<0.8	NA	NA
<hr/>							
Analyses					9	0	0
Detections					7	0	0
Minimum Concentration					0.8	0	0
Maximum Concentration					11.24	0	0
<hr/>							
HWAD - PCG					64	NE	NE
HWAD - PCG Hits					0	NE	NE

Notes:

NA = Not analyzed.

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

TNT Test Kit
Method 8515 (Tt Field)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	2,4,6-TNT mg/kg	2,4,6-TNT-Dup mg/kg	2,4,6-TNT (Rerun) mg/kg
H04-TP01-1-S	TP01	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP01-2-S	TP01	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP01-3-S	TP01	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP02-1-S	TP02	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP02-2-S	TP02	3/2/97	2	Tt Field	< 0.8	NA	NA
H04-TP03-1-S	TP03	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP03-2-S	TP03	3/2/97	3	Tt Field	< 0.8	NA	NA
H04-TP04-1-S	TP04	3/2/97	5	Tt Field	< 0.8	NA	NA
H04-TP04-2-S	TP04	3/2/97	3	Tt Field	< 0.8	NA	NA
Analyses					9	0	0
Detections					0	0	0
Minimum Concentration					0	0	0
Maximum Concentration					0	0	0
HWAD - PCG					233	NE	NE
HWAD - PCG Hits					0	NE	NE

Notes:

NA = Not analyzed.

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

pH
Method 9045B (APCL)

Sample ID	Location ID	Sample Date	Depth (feet)	Lab	pH
pH unit					
H04-TP01-1-S	TP01	3/2/97	5	APCL	9.26
H04-TP01-2-S	TP01	3/2/97	5	APCL	9.08
H04-TP01-3-S	TP01	3/2/97	5	APCL	8.39
H04-TP02-1-S	TP02	3/2/97	5	APCL	8.25
H04-TP02-2-S	TP02	3/2/97	2	APCL	8.22
H04-TP03-1-S	TP03	3/2/97	5	APCL	8
H04-TP03-2-S	TP03	3/2/97	3	APCL	9.24
H04-TP04-1-S	TP04	3/2/97	5	APCL	8.64
H04-TP04-2-S	TP04	3/2/97	3	APCL	8.52
<hr/>					
Analyses					9
Detections					9
Minimum Concentration					8
Maximum Concentration					9.26
<hr/>					
HWAD - PCG					NE
HWAD - PCG Hits					NE

Note:

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Petroleum Hydrocarbons
Method M8015E (APCL)

Sample ID	Location ID	Date	Depth (feet)	Lab	C11-C22 (Diesel)	C23-C30 (Motor oil)	C31-C40 (Heavy oil)	C8-C10 (Gasoline)	Diesel Fuel
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.88	<0.4	<0.3	<0.16	NA
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.82	<0.38	<0.28	<0.15	NA
Analyses					2	2	2	2	0
Detections					0	0	0	0	0
Minimum Concentration					0	0	0	0	0
Maximum Concentration					0	0	0	0	0
HWAD - PCG					100	NE	NE	NE	100
HWAD - PCG Hits					0	NE	NE	NE	0

Notes:

NA = Not analyzed.

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.

Explosives
Method M8330 (APCL)

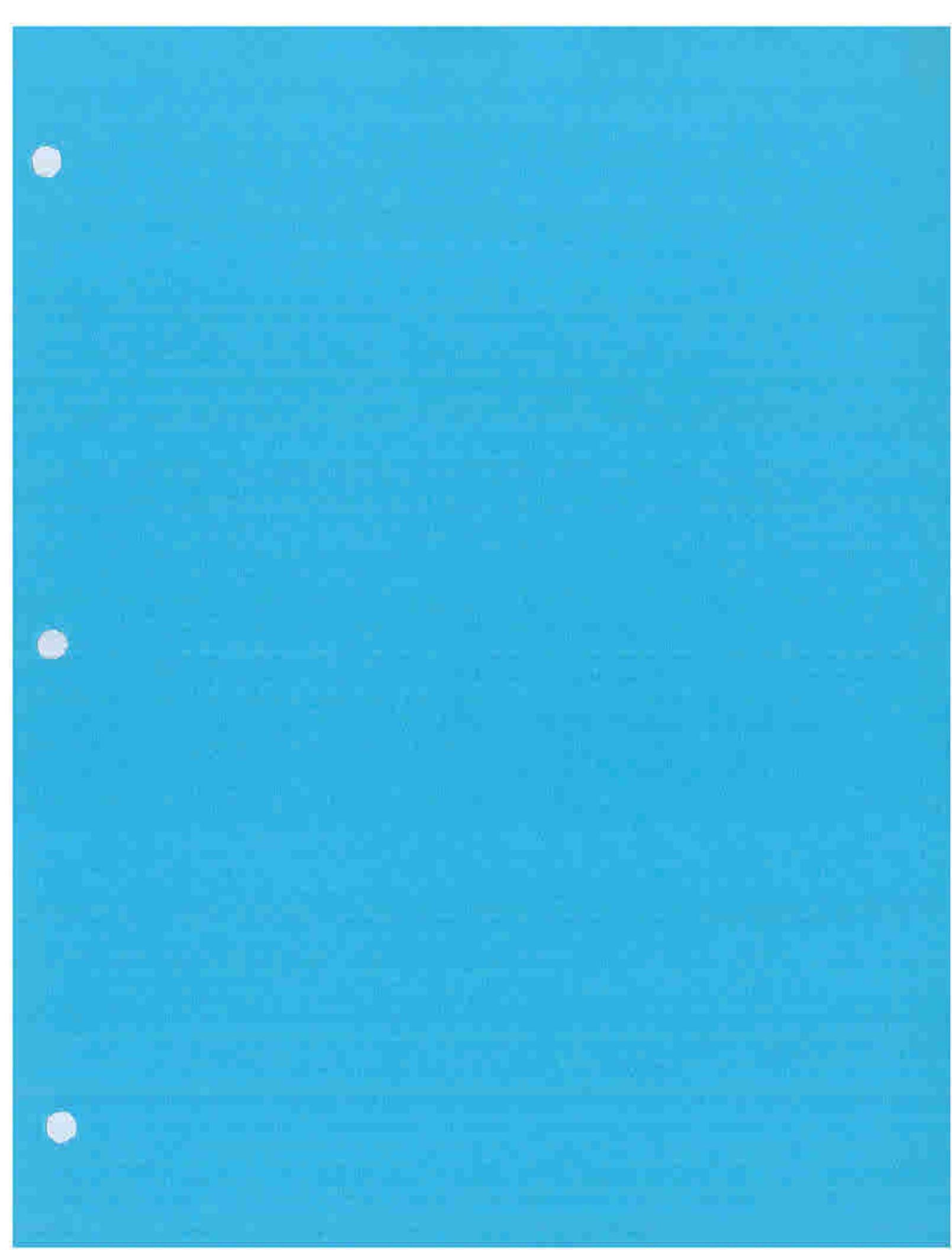
Sample ID	Location ID	Date	Depth (feet)	Lab	Picric Acid
mg/kg					
H04-TP01-1-S	TP01	3/2/97	5	APCL	<0.74
H04-TP01-2-S	TP01	3/2/97	5	APCL	<0.72
H04-TP01-3-S	TP01	3/2/97	5	APCL	<0.7
H04-TP02-1-S	TP02	3/2/97	5	APCL	<0.7
H04-TP02-2-S	TP02	3/2/97	2	APCL	<0.7
H04-TP03-1-S	TP03	3/2/97	5	APCL	<0.69
H04-TP03-2-S	TP03	3/2/97	3	APCL	<0.72
H04-TP04-1-S	TP04	3/2/97	5	APCL	<0.69
H04-TP04-2-S	TP04	3/2/97	3	APCL	<0.7
<hr/>					
Analyses					9
Detections					0
Minimum Concentration					0
Maximum Concentration					0
<hr/>					
HWAD - PCG					NE
HWAD - PCG Hits					NE
<hr/>					

Note:

NE = Not established.

Duplicate Samples:

H04-TP01-2-S is a duplicate sample of H04-TP01-1-S.



Nitrogen Compounds
 USEPA Methods 350.2, 351.3, and 353.3 (APCL)

Sample ID	Location ID	Sample Date	Depth	Nitrate plus Nitrite		Ammonia as Nitrogen mg/l	Total Kjeldahl Nitrogen mg/l
				mg/l	mg/l		
IRPMW45-021500-W	IRPMW45	2/15/2000	112		<0.062	0.2	
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	1.3	<0.062	0.2	
IRPMW45-081500-W	IRPMW45	8/15/2000	118	1.2	0.2	0.55	
IRPMW45-111400-W	IRPMW45	11/14/2000	115	1.8	0.1	0.2	
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	NA	0.07	0.2	
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	2.35	<0.062	0.2	
IRPMW46-081500-W	IRPMW46	8/15/2000	117	1.4	0.1	0.2	
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	2.22	<0.062	0.2	
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	2.1	<0.062	0.3	
IRPMW47-021500-W	IRPMW47	2/15/2000	112	NA	<0.062	0.3	
IRPMW47-051600-W	IRPMW47	5/16/2000	112	1.9	<0.062	0.3	
IRPMW47-081500-W	IRPMW47	8/15/2000	116	1.5	<0.062	0.3	
IRPMW47-111400-W	IRPMW47	11/14/2000	112	2.23	<0.062	0.3	
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	NA	0.1	0.2	
IRPMW48-051600-W	IRPMW48	5/16/2000	117	1.2	<0.062	0.1	
IRPMW48-081500-W	IRPMW48	8/15/2000	124	0.72	0.07	0.3	
IRPMW48-111400-W	IRPMW48	11/14/2000	120	1.5	0.1	0.2	

Analyses	13	17	17
Detections	13	7	17
Minimum Concentration	0.72	0.07	0.1
Maximum Concentration	2.35	0.2	0.55
HWAD - GW Action Level	1	NE	NE
HWAD - GW Action Level Hits	12	NE	NE

Notes:

NA - not analyzed

NE - not established

Metals

USEPA Methods 6010A and 7471A (APCL)

Sample ID	Location ID	Sample Date		Arsenic, Total		Arsenic, Dissolved		Barium, Total		Barium, Dissolved		Cadmium, Total		Cadmium, Dissolved		Calcium, Total		Chromium, Total		Chromium, Dissolved		Iron, Total		Lead, Total		Lead, Dissolved		Magnesium, Total	
		Depth	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
IRPMW45-021500-W	IRPMW45	2/15/2000	112	52.5	53.5	26.7	27.8	<0.24	0.39	35200	1.7	3.2	<8.2	<1.3	<1.3	282													
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	95.1	100	23.8	21.4	0.46	0.62	32600	3.2	2.2	23.3	1.9	1.9	<1.3	225												
IRPMW47-021500-W	IRPMW47	2/15/2000	112	97.8	95.4	21.5	19.6	1.9	0.3	26500	2.1	2.4	52.3	<1.3	<1.3	396													
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	133	136	25.5	25.2	0.25	0.96	29700	4.3	2.2	43.4	3	3	<1.3	202												
Analyses																													
Detections																													
Minimum Concentration																													
Maximum Concentration																													
HWAD - GW Action Level																													
HWAD - GW Action Level Hlts																													

Notes:
NA - not analyzed
NE - not established

USEPA Methods 6010A and 7471A (APCL)

Sample ID	Location ID	Sample Date	Depth	Mercury, Total	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Total
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.2	8220	<2	<1.1	<1.1
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.2	8020	3.9 ^J	3.2 ^J	1.5 ^J
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.2	7180	3.8 ^J	<2	<1.1
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.2	0.2 ^J	6890	2.6 ^J	<1.1
<hr/>								
Analyses			4	4	4	4	4	4
Detections			0	1	4	3	2	1
Minimum Concentration			0	0.2	6890	2.6	3.2	1.5
Maximum Concentration			0	0.2	8220	3.9	3.2	1.5
HWAD - GW Action Level			2	2	NE	180	180	180
HWAD - GW Action Level Hits			0	0	NE	0	0	0

Notes:

NA - not analyzed

NE - not established

**Volatile Organic Compounds
USEPA Method 8260A (APCL)**

Sample ID	Location ID	Sample Date		1,1,1,2-Tetrachloroethane											
		Depth	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW45-111400-W	IRPMW45	1/14/2000	115	<0.092	<0.047	<0.065	<0.078	<0.056	<0.038	<0.054	<0.14	<0.11	<0.12	<0.17	<0.17
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.45	<0.19	<0.27	<0.25	<0.23	<0.32	<0.27	<0.32	<0.62	<0.36	<1.5	<1.5
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW46A-111400-W	IRPMW46	1/14/2000	112	<0.092	<0.047	<0.065	<0.078	<0.056	<0.038	<0.054	<0.14	<0.11	<0.12	<0.17	<0.17
IRPMW46B-111400-W	IRPMW46	1/14/2000	112	<0.092	<0.047	<0.065	<0.078	<0.056	<0.038	<0.054	<0.14	<0.11	<0.12	<0.17	<0.17
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW47-111400-W	IRPMW47	1/14/2000	112	<0.092	<0.047	<0.065	<0.078	<0.056	<0.038	<0.054	<0.14	<0.11	<0.12	<0.17	<0.17
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<0.26	<0.12	<0.24	<0.88	<0.17	<0.76	<0.28	<0.3	<1.2	<0.22	<0.31	<0.31
IRPMW48-111400-W	IRPMW48	1/14/2000	120	<0.092	<0.047	<0.065	<0.078	<0.056	<0.038	<0.054	<0.14	<0.11	<0.12	<0.17	<0.17

Analyses	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Detections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HWAD - GW Action Level	0.43	200	0.055	5	810	7	NE	NE	NE	0.0016	70	12			
HWAD - GW Action Level Hits	0	0	0	0	0	0	NE	NE	NE	0	0	0			

Notes:
NA - not analyzed
NE - not established

Volatile Organic Compounds
USEPA Method 8260A (APCL)

Notes:
NA - not analyzed
NE - not established

**Volatile Organic Compounds
USEPA Method 8260A (APCL)**

Sample ID	Location ID	Sample Date	Benzene											
			Depth	Benzene ug/l	Bromobenzene ug/l	Bromochloromethane ug/l	Bromodichloromethane ug/l	Bromoform ug/l	Bromomethane ug/l	Carbon tetrachloride ug/l	Chlorobenzene ug/l	Chloroethane ug/l	Chloroform ug/l	Chloromethane ug/l
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.08	<0.32	<1.1	0.6 J	<0.3	<0.88	<0.12	<0.16	<0.32	4.8	<0.35
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<0.08	<0.32	<1.1	0.6 J	<0.3	<0.88	<0.12	<0.16	<0.32	4.3	<0.35
IRPMW45-081500-W	IRPMW45	8/15/2000	118	0.4 J	<0.32	<1.1	1 J	<0.3	<0.88	2 J	<0.16	<0.32	8.2	<0.35
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<0.054	<0.13	<0.15	0.5 J	<0.065	<0.036	0.6 J	<0.09	<0.065	3	<0.094
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.26	<0.29	<0.41	<0.34	<0.39	<0.56	<0.33	<0.29	<0.45	3	<0.25
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<0.08	<0.32	<1.1	<0.31	<0.3	<0.88	<0.12	<0.16	<0.32	<0.35	<0.35
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<0.08	<0.32	<1.1	0.9 J	<0.3	<0.88	1 J	<0.16	<0.32	6.1	<0.35
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<0.054	<0.13	<0.15	0.4 J	<0.065	<0.036	0.5 J	<0.09	<0.065	3	<0.094
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<0.054	<0.13	<0.15	0.4 J	<0.065	<0.036	0.4 J	<0.09	<0.065	2	<0.094
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.08	<0.32	<1.1	<0.31	<0.3	<0.88	<0.12	<0.16	<0.32	<0.35	<0.35
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<0.08	<0.32	<1.1	<0.31	<0.3	<0.88	<0.12	<0.16	<0.32	<0.35	<0.35
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<0.08	<0.32	<1.1	0.6 J	<0.3	<0.88	<0.12	<0.16	<0.32	<0.35	<0.35
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<0.054	<0.13	<0.15	<0.11	<0.065	<0.036	<0.054	<0.09	<0.065	2 J	<0.094
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.08	<0.32	<1.1	0.6 J	<0.3	<0.88	<0.12	<0.16	<0.32	2	<0.35
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<0.08	<0.32	<1.1	<0.31	<0.3	<0.88	<0.12	<0.16	<0.32	3	<0.35
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<0.08	<0.32	<1.1	0.9 J	<0.3	<0.88	<0.12	<0.16	<0.32	4.8	<0.35
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<0.054	<0.13	<0.15	0.4 J	<0.065	<0.036	<0.054	<0.09	<0.065	3	<0.094

Analyses		17	17	17	17	17	17	17	17	17	17	17	17	17
Detections	1	0	0	11	0	0	5	0	0	0	17	0	0	0
Minimum Concentration	0.4	0	0	0.4	0	0	0.4	0	0	0	2	0	0	0
Maximum Concentration	0.4	0	0	1	0	0	2	0	0	0	8.2	0	0	0
HWAD - GW Action Level	5	NE	NE	100	100	8.7	5	100	NE	100	100	1.5	0	0
HWAD - GW Action Level Hits	0	NE	NE	0	0	0	0	0	NE	0	0	0	0	0

Notes:
NA - not analyzed
NE - not established

Volatile Organic Compounds
USEPA Method 8260A (APCL)

Sample ID	Location ID	Sample Date	Depth	Cl-S-1,2-Dichloroethene	Cl-S-1,3-Dichloropropene	Dibromochloromethane	Dibromochloropropane	Dibromomethane	Ethylbenzene	Isopropylnitrobenzene	M- <i>p</i> -Xylenes	Methylene chloride	
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<0.043	<0.046	<0.076	<0.19	<0.044	<0.042	<0.088	<0.22	<0.17	<0.22
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.14	<0.29	<0.24	<1.6	<0.39	<0.4	<0.26	<0.3	<0.26	<0.45
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<0.043	<0.046	<0.076	<0.19	<0.044	<0.042	<0.088	<0.22	<0.17	<0.22
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<0.043	<0.046	<0.076	<0.19	<0.044	<0.042	<0.088	<0.22	<0.17	<0.22
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<0.043	<0.046	<0.076	<0.19	<0.044	<0.042	<0.088	<0.22	<0.17	<0.22
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<0.34	<0.09	<0.47	<2.3	<0.66	<0.29	<0.15	<0.89	<0.15	<0.37
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<0.043	<0.046	<0.076	<0.19	<0.044	<0.042	<0.088	<0.22	<0.17	<0.22
				17	17	17	17	17	17	17	17	17	17
Analyses				0	0	0	0	0	0	0	0	0	0
Detections				0	0	0	0	0	0	0	0	0	0
Minimum Concentration				0	0	0	0	0	0	0	0	0	0
Maximum Concentration				0	0	0	0	0	0	0	0	0	0
HWAD - GW Action Level				70	NE	100	0.2	NE	390	700	0.86	19	10000
HWAD - GW Action Level Hits				0	NE	0	0	NE	0	0	0	0	5
Notes:													
NA - not analyzed													
NE - not established													

**Volatile Organic Compounds
USEPA Method 8260A (APCL)**

Sample ID	Location ID	Sample Date									
		Depth		MTBE		n-Butylbenzene		n-Propylbenzene		Naphthalene	
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.12
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.12
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<0.097	<0.17	<0.13	<0.16	<0.074	<0.15	<0.1	<0.16
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.53	<0.34	<0.32	<0.66	<0.27	<0.3	<0.2	<0.4
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.12
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<0.097	<0.17	<0.13	<0.16	<0.074	<0.15	<0.1	<0.16
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<0.097	<0.17	<0.13	<0.16	<0.074	<0.15	<0.1	<0.16
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<0.097	<0.17	<0.13	<0.16	<0.074	<0.15	<0.1	<0.16
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<0.25	<0.28	<0.19	<0.15	<0.23	<0.15	<0.18	<0.15
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<0.097	<0.17	<0.13	<0.16	<0.074	<0.15	<0.1	<0.16

Analyses											
Detections											
Minimum Concentration											
Maximum Concentration											
HWAD - GW Action Level	20	NE	NE	6.2	10000	NE	100	NE	5	1000	100
HWAD - GW Action Level Hits	0	NE	NE	0	0	NE	0	NE	0	0	0

Notes:
NA - not analyzed
NE - not established

Volatile Organic Compounds
USEPA Method 8260A (APCL)

Sample ID	Location ID	Sample Date	Depth	Trans-1,3-Dichloropropene	Trichloroethylene	Trichlorofluoromethane	Vinyl chloride
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<0.2	<0.28	<0.33	<0.31
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<0.2	<0.28	<0.33	<0.31
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<0.2	<0.28	<0.33	<0.31
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<0.044	<0.057	<0.053	<0.068
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<0.29	<0.28	<0.26	<0.19
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<0.2	<0.28	<0.33	<0.31
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<0.2	<0.28	<0.33	<0.31
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<0.044	<0.057	<0.053	<0.068
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<0.044	<0.057	<0.053	<0.068
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<0.2	<0.28	<0.33	<0.31
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<0.2	<0.28	<0.33	<0.31
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<0.2	<0.28	<0.33	<0.31
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<0.044	<0.057	<0.053	<0.068
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<0.2	<0.28	<0.33	<0.31
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<0.2	<0.28	<0.33	<0.31
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<0.2	<0.28	<0.33	<0.31
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<0.044	<0.057	<0.053	<0.068

Analyses	17	17	17	17
Detections	0	0	0	0
Minimum Concentration	0	0	0	0
Maximum Concentration	0	0	0	0
HWAD - GW Action Level	0.081	5	1300	2
HWAD - GW Action Level Hits	0	0	0	0

Notes:

NA - not analyzed

NE - not established

**Semivolatile Organic Compounds
USEPA Method 8270B (APCL)**

Sample ID	Location ID	Sample Date														1,2,4,5-Tetrachlorobenzene			1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,2-Diphenylhydrazine			1,3-Dichlorobenzene			1,4-Dichlorobenzene			1-Chloronaphthalene			1-Naphthylamine			2,3,4,6-Tetrachlorophenol			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol		
		Depth	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l																									
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.4	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.2	<0	<19	<1.4	<1.5	<1.4	<1.4	<1.5	<1.4	<1.4	<1.5	<1.5	<6.2																																		
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.4	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<1.5	<6.2																																	
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<1.4	<0.94	<0.94	<0.75	<0.87 u	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																							
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<1.4	<0.94	<0.75	<0.87	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																								
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<6.2																																		
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<6.2																																		
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<2.6	<2	<1.9	<2.8	<2.1	<1.8	<2.1	<2.1	<7.6	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																					
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<1.4	<0.94	<0.75	<0.87	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																								
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<1.4	<0.94	<0.75	<0.87	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																								
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.2	<1.7	<19	<1.4	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<14 u																																		
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<6.2																																	
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<2.6	<2	<1.9	<2.8	<2.1	<1.8	<2.1	<2.1	<7.6	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																					
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<1.4	<0.94	<0.75	<0.87	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																								
IRPMW47-141600-W	IRPMW48	2/16/2000	117.8	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.5	<6.2																																	
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.4	<1.4	<1.3	<1.1	<1.2	<1.2	<1.7	<19	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<14 u																																		
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<2.6	<2	<1.9	<2.8	<2.1	<1.8	<2.1	<2.1	<7.6	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																					
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<1.4	<0.94	<0.75	<0.87	<0.76	<0.83	<1.3	<4.3	<2.7	<2	<1.8	<1.7	<1.3	<11																																								

Notes:
NA - not analyzed
NE - not established

Semivolatile Organic Compounds
USEPA Method 8270B (APCL)

Sample ID	Location ID	Sample Date	Depth	2,4-Dinitrotoluene	2-Chloronaphthalene	2-Methylnaphthalene	2-Naphthylamine	2-Nitroaniline	2-Picoline	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitrophenol-O-cresol	4-Bromophenyl phenyl ether	
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.5	<1.8	<1.7	<1.3	<1.7	<8.2	<1.2	<0.96	<9.3	<7.7	<3.4
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.5	<1.8	<1.7	<1.3	<1.7	<8.2	<1.2	<0.96	<9.3	<7.7	<3.4
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<2	<2.1	<2.1	<1.8	<1.5	<1.3	<6.3	<8.6	<1.7	<1.4	<7.8
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<2	<2.1	<2.1	<1.8	<1.5	<1.3	<6.3	<8.6	<1.7	<1.4	<7.8
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.5	<1.8	<1.7	<1.3	<1.7	<1.3	<1.9	<8.2	<1.2	<0.96	<9.3
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<2	<2.1	<2.1	<1.8	<1.5	<1.3	<6.3	<8.6	<1.7	<1.4	<7.8
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<1.4	<1.7	<1.3	<0.92	<1.7	<1.1	<5.3	<6.7	<1.5	<6.8	<4.3
Analyses	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Detections	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HWAD - GW Action Level	73	37	490	38	NE	1800	NE	2.2	NE	NE	0.15	NE	NE	NE
HWAD - GW Action Level Hits	0	0	0	0	0	NE	0	NE	0	NE	NE	NE	NE	NE

Notes:
NA - not analyzed
NE - not established

**Semivolatile Organic Compounds
USEPA Method 8270B (APCL)**

Sample ID	Location ID	Sample Date	4-Chloro-3-methylphenol														
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.9	<7.6	<1.8	<1.1	<7.5	<14 ug	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<1.7	<7.8	<2	<1.8	<7.3 ug	<14	<1.1	<6.2 ug	<2	<1	<1.2	<1	<1.1	<5.3
IRPMW46A-111400-W	IRPMW46A	11/14/2000	112	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<1.7	<7.8	<2	<1.8	<7.3	<14 ug	<1.1	<6.2 ug	<2	<1.9	<1.6	<1.9	<1.7	<5.1 ug
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<1.9	<7.6	<1.8	<1.1	<7.5 ug	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.9	<7.6	<1.8	<1.1	<7.5	<14	<2.1	<1.2 ug	<1.5	<1.7	<1.4	<1.3	<1.6	<8.1
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<1.7	<7.8	<2	<1.8	<7.3 ug	<14	<1.1	<6.2 ug	<2	<1.9	<1.6	<1.9	<1.7	<5.1 ug
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<2.3	<5.7	<1.1	<1.2	<7.7	<16	<1.4	<2.9 ug	<1	<1	<1.2	<1	<1.1	<5.3
Analyses			17	17	17	17	17	17	17	17	17	17	17	17	17	17	
Detections			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Minimum Concentration			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Maximum Concentration			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HWAD - GW Action Level			NE	150	NE	180	NE	NE	NE	370	NE	0.042	12	1800	0.00029		
HWAD - GW Action Level Hits			NE	0	NE	0	NE	NE	NE	0	NE	0	0	0	0		

Notes:
NA - not analyzed
NE - not established

Semi-volatile Organic Compounds
USEPA Method 8270B (APCL)

Sample ID	Location ID	Sample Date	Depth	Chrysene												
				100	100	100	100	100	100	100	100	100	100	100	100	
IRPMW45-021500-W	IRPMW45 2/15/2000	112	<1.6	<1.6	<1.4	<2	<1.8	<0	<1.3	<1.9	<1.3	<1.4	<2.1	8 J	<1.6	
IRPMW45-051600-W	IRPMW45 5/16/2000	112.9	<1.6	<1.6	<1.4	<2	<1.8	<50	<1.3	<1.9	<1.3	<1.4	<2.1	3 J	<1.6	
IRPMW45-081500-W	IRPMW45 8/15/2000	118	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	3 J	<0.98	
IRPMW45-111400-W	IRPMW45 11/14/2000	115	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	4 J	<0.98	
IRPMW46-021500-W	IRPMW46 2/15/2000	115.4	<1.6	<1.6	<1.4	<2	<1.8	<0	<1.3	<1.9	<1.3	<1.4	<2.1	9 J	<1.6	
IRPMW46-051600-W	IRPMW46 5/16/2000	110.4	<1.6	<1.6	<1.4	<2	<1.8	<50	<1.3	<1.9	<1.3	<1.4	<2.1	<2	<1.6	
IRPMW46-081500-W	IRPMW46 8/15/2000	117	<1.6	<1.7	<1.5	<1.6	<1.4	<50	<1.4	<1.4	<1.8	<1.6	<2.1	7 J	<1.5	
IRPMW46A-111400-W	IRPMW46A 11/14/2000	112	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	5 J	<0.98	
IRPMW46B-111400-W	IRPMW46B 11/14/2000	112	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	7 J	<0.98	
IRPMW47-021500-W	IRPMW47 2/15/2000	112	<1.6	<1.6	<1.4	<2	<1.8	<0	<1.3	<1.9	<1.3	<1.4	<2.1	5 J	<1.6	
IRPMW47-051600-W	IRPMW47 5/16/2000	112	<1.6	<1.6	<1.4	<2	<1.8	<50	<1.3	<1.9	<1.3	<1.4	<2.1	5 J	<1.7	
IRPMW47-081500-W	IRPMW47 8/15/2000	116	<1.6	<1.7	<1.5	<1.6	<1.4	<50	<1.4	<1.4	<1.8	<1.6	<2.1	2 J	<1.6	
IRPMW47-111400-W	IRPMW47 11/14/2000	112	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	3 J	<0.98	
IRPMW48-021600-W	IRPMW48 2/16/2000	117.8	<1.6	<1.6	<1.4	<2	<1.8	<50	<1.3	<1.9	<1.3	<1.4	<2.1	4 JB	<1.6	
IRPMW48-051600-W	IRPMW48 5/16/2000	117	<1.6	<1.6	<1.4	<2	<1.8	<50	<1.3	<1.9	<1.3	<1.4	<2.1	2 J	<1.6	
IRPMW48-081500-W	IRPMW48 8/15/2000	124	<1.6	<1.7	<1.5	<1.6	<1.4	<50	<1.4	<1.4	<1.8	<1.6	<2.1	3 J	<1.5	
IRPMW48-111400-W	IRPMW48 11/14/2000	120	<1.4	<1.2	<0.81	<1.4	<1.3	<49	<1.4	<2	<1.1	<0.92	<2	2 J	<0.98	
Analyses				17	17	17	17	17	17	17	17	17	17	17	17	17
Detections				0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration				0	0	0	0	0	0	0	0	0	0	2	0	0
Maximum Concentration				0	0	0	0	0	0	0	0	0	0	9	0	0
HWAD - GW Action Level				0.1	0.2	0.2	NE	NE	NE	NE	NE	NE	0.27	6	100	0.2
HWAD - GW Action Level Hrs				0	0	0	NE	NE	NE	NE	NE	NE	0	0	0	3700
Notes:				NA - not analyzed												
NE - not established																

**Semivolatile Organic Compounds
USEPA Method 8270B (APCL)**

Sample ID	Location ID	Sample Date	Di-n-octyl phthalate														
			Dibenz(a,h)anthracene				Dibenz(a,i)acridine				Dibenzofuran						
		Depth	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8 ug	<1.4	
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<0.9	<1.4	<1.2	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<0.9	<1.4	<1.2	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8 ug	<1.4	
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<2	<1.5	<1.2	<2	<2.2	<2	<1.8	<1.8	<1.5	<1.9	<1.2	<2.3	<8.5	<2.1
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<0.9	<1.4	<1.2	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<0.9	<1.4	<1.2	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<2	<1.5	<1.2	<2	<2.2	<2	<1.8	<1.8	<1.5	<1.9	<1.2	<2.3	<8.5	<2.1
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<0.9	<1.4	<1.2	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.9	<1.4	<1.3	<1.7	<1.9	<1.9	<1.5	<1.5	<1.8	<1.6	<1	<3.8	<1.4	
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<2	<1.5	<1.2	<2	<2.2	<2	<1.8	<1.8	<1.5	<1.9	<1.2	<2.3	<8.5	<2.1
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<0.9	<1.4	<1.2	<1	<1.3	<1.1	<1.4	<0.94	<1	<0.91	<0.97	<9.3	<0.98	
Analyses			17	17	17	17	17	17	17	17	17	17	17	17	17		
Detections			0	0	0	0	0	0	0	0	0	0	0	0	0		
Minimum Concentration			0	0	0	0	0	0	0	0	0	0	0	0	0		
Maximum Concentration			0	0	0	0	0	0	0	0	0	0	0	0	0		
HWAD - GW Action Level			730	0.0092	NE	24	29000	37000	910	NE	1500	240	1	0.86	50	4.8	
HWAD - GW Action Level Hits			0	0	NE	0	0	0	0	NE	0	0	0	0	0	0	

Notes:
NA - not analyzed
NE - not established

Semivolatile Organic Compounds
USEPA Method 8270B (APCL)

Sample ID	Location ID	Sample Date	Depth	Isophorone	Methyl methanesulfonate	N-Nitroso-di-n-butyramine	N-Nitrosodimethylamine	N-Nitrosodi-n-propylamine	N-Nitrosopiperidine	Naphthalene	Nitrobenzene	p-Dimethylaminobenzene	Pentachloronitrobenzene	Pentachlorophenol		
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.2	<7.2	
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.2	<7.2	
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<1.4	<1.6	<1.6	<1.4	<1.3	<8.9	<1.3	<1.8	<1.6	<1.4	<2.2	<1.5	<2.9
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<1.7	<1.4	<1.6	<1.6	<1.4	<8.9	<1.3	<1.8	<1.6	<1.4	<2.2	<1.5	<2.9
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.7	<0.94	<2.4	<1.8	<0.8	<7.7	<1.6	<1.3	<1.4	<1.5	<1.5	<1.2	<7.2
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<1.7	<1.4	<1.6	<1.4	<1.3	<8.9	<1.3	<1.8	<1.6	<1.4	<2.2	<1.5	<2.9
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<1.3	<2.1	<1.3	<2.4	<2	<2.9	<5.8	<2.2	<0.81	<1	<1.3	<0.84	<1.2

Analyses
Detections
Minimum Concentration
Maximum Concentration
HWAD - GW Action Level
HWAD - GW Action Level Hits

17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0.092 71 NE 0.002 0.0096 0.0013 14 NE 6.2 3.4 NE 29 0.26 1

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Notes:
NA - not analyzed
NE - not established

**Semivolatile Organic Compounds
USEPA Method 8270B (APCL)**

Sample ID	Location ID	Sample Date	Phenacetin					
			Depth	ug/l	ug/l	ug/l	ug/l	ug/l
IRPMW45-021500-W	IRPMW45	2/15/2000	112	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW45-051600-W	IRPMW45	5/16/2000	112.9	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW45-081500-W	IRPMW45	8/15/2000	118	<1.7	<0.89	<0.7	<2	<0.94
IRPMW45-111400-W	IRPMW45	11/14/2000	115	<1.7	<0.89	<0.7	<2	<0.94
IRPMW46-021500-W	IRPMW46	2/15/2000	115.4	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW46-051600-W	IRPMW46	5/16/2000	110.4	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW46-081500-W	IRPMW46	8/15/2000	117	<2	<1.9	<0.85	<1.5	<1.7
IRPMW46A-111400-W	IRPMW46	11/14/2000	112	<1.7	<0.89	<0.7	<2	<0.94
IRPMW46B-111400-W	IRPMW46	11/14/2000	112	<1.7	<0.89	<0.7	<2	<0.94
IRPMW47-021500-W	IRPMW47	2/15/2000	112	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW47-051600-W	IRPMW47	5/16/2000	112	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW47-081500-W	IRPMW47	8/15/2000	116	<2	<1.9	<0.85	<1.5	<1.7
IRPMW47-111400-W	IRPMW47	11/14/2000	112	<1.7	<0.89	<0.7	<2	<0.94
IRPMW48-021600-W	IRPMW48	2/16/2000	117.8	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW48-051600-W	IRPMW48	5/16/2000	117	<1.6	<1.4	<0.69	<1.5	<1.6
IRPMW48-081500-W	IRPMW48	8/15/2000	124	<2	<1.9	<0.85	<1.5	<1.7
IRPMW48-111400-W	IRPMW48	11/14/2000	120	<1.7	<0.89	<0.7	<2	<0.94

Analyses 17 17 17 17 17

Detectors 0 0 0 0 0

Minimum Concentration 0 0 0 0 0

Maximum Concentration 0 0 0 0 0

HWAD - GW Action Level NE NE 22000 2700 180
HWAD - GW Action Level HITS NE NE 0 0 0

Notes:

NA - not analyzed

NE - not established

USEPA Methods 8330 and 8330M (APCL)

Notes:
NA - not analyzed
NE - not established

**Explosive Compounds
USEPA Methods 8330 and 8330M (APCL)**

Sample ID	Location ID	Sample Date		Depth	Tetryl		2-Amino-4,6-dinitrotoluene ug/l	4-Amino-2,6-dinitrotoluene ug/l
		IRPMW45	2/15/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW45-051600-W	IRPMW45	IRPMW45	5/16/2000	112.9	<0.034	<0.033	<0.026	<0.026
IRPMW45-081500-W	IRPMW45	IRPMW45	8/15/2000	118	<0.034	<0.033	<0.026	<0.026
IRPMW45-111400-W	IRPMW45	IRPMW45	11/14/2000	115	<0.034	<0.033	<0.026	<0.026
IRPMW46-021500-W	IRPMW46	IRPMW46	2/15/2000	115.4	<0.034	<0.033	<0.026	<0.026
IRPMW46-051600-W	IRPMW46	IRPMW46	5/16/2000	110.4	<0.034	<0.033	<0.026	<0.026
IRPMW46-081500-W	IRPMW46	IRPMW46	8/15/2000	117	<0.034	<0.033	<0.026	<0.026
IRPMW46A-111400-W	IRPMW46	IRPMW46	11/14/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW46B-111400-W	IRPMW46	IRPMW46	11/14/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW47-021500-W	IRPMW47	IRPMW47	2/15/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW47-051600-W	IRPMW47	IRPMW47	5/16/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW47-081500-W	IRPMW47	IRPMW47	8/15/2000	116	<0.034	<0.033	<0.026	<0.026
IRPMW47-111400-W	IRPMW47	IRPMW47	11/14/2000	112	<0.034	<0.033	<0.026	<0.026
IRPMW48-021600-W	IRPMW48	IRPMW48	2/16/2000	117.8	<0.034	<0.033	<0.026	<0.026
IRPMW48-051600-W	IRPMW48	IRPMW48	5/16/2000	117	<0.034	<0.033	<0.026	<0.026
IRPMW48-081500-W	IRPMW48	IRPMW48	8/15/2000	124	<0.034	<0.033	<0.026	<0.026
IRPMW48-111400-W	IRPMW48	IRPMW48	11/14/2000	120	<0.034	<0.033	<0.026	<0.026

Analyses	17	17	17
Detections	0	0	0
Minimum Concentration	0	0	0
Maximum Concentration	0	0	0

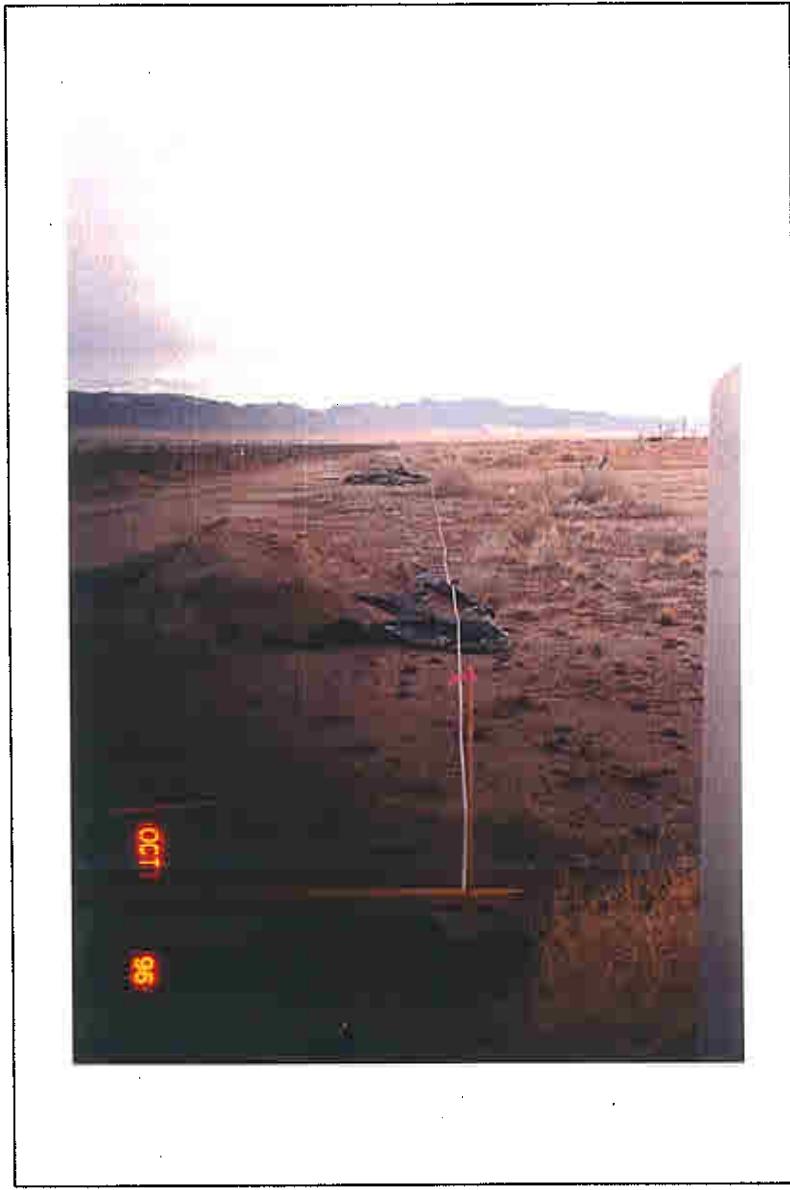
HWAD - GW Action Level
HWAD - GW Action Level Hits

365 0.099 0.099

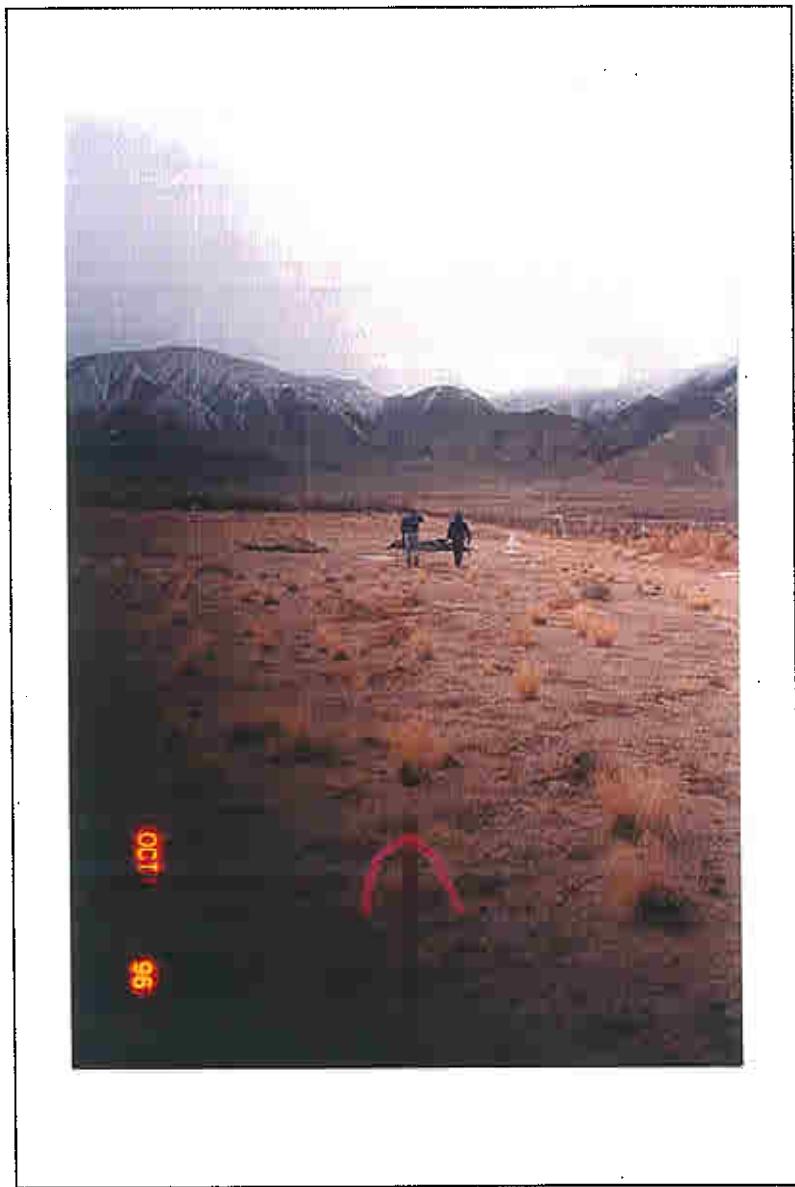
Notes:
NA - not analyzed
NE - not established

APPENDIX D

PHOTOGRAPHS



7-9 Photo looking down east-west trending northernmost boundary line at SWMU H04, E,
1/28/97, by Kevin Joyce.



7-10 Photo looking from east end of initial northernmost grid line at SWMU H04, W, 1/28/97,
by Kevin Joyce.



7-11 Photo looking at B. Black of Norcal walking the 20 foot offset line from the northernmost grid line, NE, 1/28/97, by Kevin Joyce.



7-12 Photo of D. Kirker walking with magnetometer at east end of geophysical grid at SWMU H04, NE, 1/28/97, by Kevin Joyce.



23-4 Photo of H04-TP04, N, 3/2/97, by Andrea Hatch.



23-5 Photo of H04-TP03, NW, 3/2/97, by Andrea Hatch.



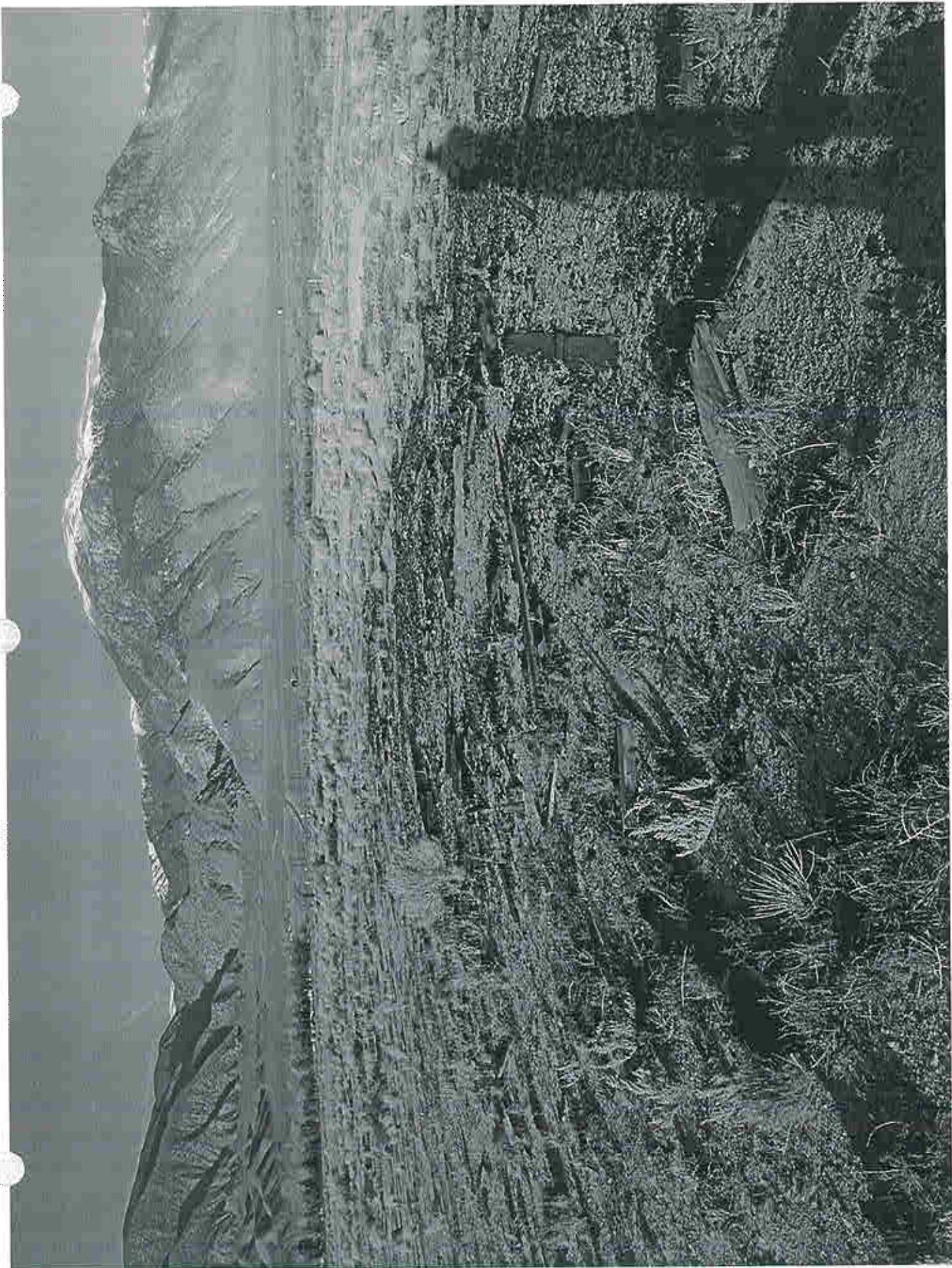
23-6 Photo of H04-TP03, NE, 3/2/97, by Andrea Hatch.



23-8 Photo of H04-TP01, E, 3/2/97, by Andrea Hatch.

2-11-02

Ph. 5600 Bz Hosto (m/1520)



2-11-02

2011-03

2-1102